



# DX NEWS

*the magazine of the  
National Radio Club*  
— SINCE 1933 —

VOLUME 53 ISSUE 12 December 30, 1985

Well, this is the last issue for this year. Another year gone by at supersonic speed. As well as half the DX season already gone by. We sit again with 13 inches of white stuff still on the ground and -55 chill factors brrrrr.

Onto warmer things....

Thanks for all those that have sent Holiday Greeting cards and comments about the NRC in general. We appreciate all those comments good and bad and we hope to improve on things as the year starts and time goes on. We start year six in doing this from here. Anyone want the job.... just kidding.

From Mike Addy comes word that I listed WFEN-1160's Silent period wrong. It should say silent period from Midnight till 5AM (EST) Mondays only.

I believe one of us, Paul or myself, got mixed up on the intro just below the header of MUSINGS. Ignore the line about us skipping an issue, since this is the issue after the skip, hi.

From Ken Stryker comes the following, "Brand New Aero/Marine Beacon Guide (160 - 1745KHz) is now available in standard looseleaf 3-ring binder for US\$10.00 ppd, US\$15.00 Overseas. Send All orders to Ken at: 6350 N. Hoyne Ave., Chicago, IL 60659. Over 6100 beacons with listing covering North & South America, Caribbean, Asia, & the Pacific. Even Russians. Lowfers are included in a separate and updated listing of over 100 known lowfers. Easy to use, arranged by freq. and crossed indexed by ID. (The book is jammed full, good job Ken!!!- Mike)

**RADIO PLUS + Electronics** catalog available for a mint 22 cent US stamp. The catalog contains everything from Radios to ceramic IF filters to Nicad batteries. Phone Inquiries to place an order or technical questions can be obtained by dialing 904-434-2216 Sunday thru Thursday 6pm to 10pm Central Time. Owner is Gerry Thomas (who?...just kidding- mike). Get your catalog via the stamp. Write to: **RADIO PLUS +**, 3635 Chastain Way, Pensacola, FL 32503.

**Universal Shortwave** has just released its newest catalog (85-12). Available for US\$1.00 by writing to: **Universal Shortwave Radio**, 1280 Aida Drive, Reynoldsburg, OH 43068. 614-866-4267 is their number. And tell'em when you write to order your catalog from Fred Osternan that you got this from the NRC. Also available from Fred is the "DXers Directory" over 850 DXers and Listeners worldwide are listed in the book. Yours for only \$6.00 Another item that comes from Fred is the UBIX computer bulletin board. Again, for info on this, drop Fred a line.

#### LOOK INSIDE:

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Happy New Year !!!

RADIO EARTH CAN BE HEARD on Sundays 1900-2200 UTC on 11790KHz

Listen to HCJB "DX Partyline", 0230 UTC Saturday night, for the "AM Interlude" Program with Wayne Heinen. Other stations carrying NRC items include Radio Earth, Radio RSA, and KCBI!

# AM SWITCH

Jerry Starr, c/o WHOT Radio, 401 N. Blaine Ave., Youngstown, OH 44505

## CALL LETTER CHANGES

Old call:	New call:	AMS DATABASE
950 KYES OR	Roseburg	KRSB
1020 *New AL	Heflin	WBSH
1050 WOKL WI	Altoona	WISM
1120 *New MA	Concord	WWCC
1190 KMCW AR	Augusta	KMDA
1260 KIPR TX	Diboll	KBBQ+
1420 KROM NE	Omaha	KESY

Notes: \*Log indicated this station in Huntington, TX but the FCC places it in Diboll, TX, make change in Log. If you use Broadcasting Magazine for information note that the recently reported "AM Call Change" in Lamesa, TX (KIOF to KUFO) is actually an FM change.

## APPLICATIONS FOR NEW STATIONS

720 FL	Dover:	10000/1000 U4 (second application)
890 VA	Surry:	25000 D3 (reapplication)
1290 MS	Meridian:	1000 D1

## GRANTS FOR NEW STATIONS

640 GA	Atlanta:	50000/1000 U2
1450 CA	Buena Vista:	1000/1000 U1

## APPLICATIONS FROM EXISTING FACILITIES

740 KSSS CO	Colorado Springs:	powers to 3000/1500, relocate XR
1340 KLVR UT	Heber City:	to 1210 kHz 5000 D1 (reapplication)
1430 WBUG SC	Ridgeland:	reduce power to 880 watts, relocate XR

## GRANTS TO EXISTING FACILITIES

740 WLVG MA	Cambridge:	relocate XR, changes in antenna system
820 WSST FL	Largo:	relocate night XR for 820 kHz CP
1030 WBNZ NC	Wake Forest:	relocate XR, new station, not on yet
1180 WKKE MS	Pearl:	day power to 50000
1360 WEBB MD	Baltimore:	night power 1500, relocate night XR
1410 WGGM VA	Chester:	to 820 kHz with 10000/1000 U2
1470 WKCK PR	Orocovis:	night power to 2500

## OTHERNESS

First a note to those using Broadcasting Magazine. Several issues ago they listed call letters for a newly granted "AM" in Monterey, TN. That new station is actually an FM. Broadcasting strikes again.

620 KSTR CO	Grand Junction:	application for 1000 watts night returned
790 KXTG CO	Clovis:	reported here a few issues back as "KXOR" which was a typo in another source of info, tis still KXTG
1030 KGUS AZ	Florence:	new station is on the air
1120 *App AL	Oxford:	application for new station returned
1140 KCMJ CA	Palm Springs:	is now here ex-1010 kHz
WONQ FL	Pine Hills:	new station is on
1160 *App GA	Sandy Springs:	application for new station returned
1210 KLDI WY	Laramie:	is here now ex-1490 kHz
1330 WEBY FL	Milton:	formerly silent as WAVX is back on with A/C format
1400 KSUN AZ	Phoenix:	silent for several years, is back on
1440 -CP- OH	Ontario:	was reported as being on 1460 by another DX club which is incorrect, little problem with nearby WBNS for one thing, according to the FCC Master Inventory it's 1440 kHz as we reported here. No more letters please, hi.
1450 WJBX CT	Bridgeport:	formerly silent as WNAB, is back on with A/C format
1460 WEMR PA	Tunkhannock:	requests extention of CP for new station
1510 WRUA PA	Monroeville:	is silent once again
1520 WLGC KY	Greenup:	application for 9000 watts returned
1550 WPTS PA	Pittston:	now fulltime here ex-1540 kHz
1570 WVW WV	St. Marys:	application to move to 630 kHz returned
1590 KYDE AR	Pine Bluff:	fulltime CP is on, heard here at s/on, powers are 5000/500 U4, Log incorrectly list night power as 5000

## ADDRESS

1040 WJOR TN St. Joseph: Box 187 38481-0187

73 and Good DX

Jimmy & BKF

Jerry Starr & Buffalo K. Foonman

# Final Mexican Signing Delayed

by David Hughes

Washington DC ... There is doubt that a final agreement can be signed with Mexico by the end of the year permitting US daytimers to implement full postunset (PSSI) operations and allowing 302 US daytimers operating on Mexican clear channels to add nighttime hours.

Even though a preliminary agreement was reached on 16 August, the final agreement, which was expected by November, has been delayed because of damage suffered by Mexico's communications authority during the September earthquake in Mexico City.

"Things have not returned to normal," said FCC Attorney Jonathan David. "I have no official word, I don't know if we'll have a final agreement by the end of the year."

"All I can say is that the FCC is ready," David said. "Things still need to be ironed out. It could take another five weeks."

FCC Policy and Rules Division Assistant Chief Wilson LaFollette said that while he was "hopeful" that the final agreement would be reached by the end of the year, he could not say for certain whether it actually would.

## Optimism prevails

The NAB offered a bit more optimistic assessment of the situation. The Mexican agreement is "on track," according to NAB Deputy General Council Barry Umansky. "We hope that notes will be exchanged by the end of the year."

NAB officials met 10-12 November in Mexico with officials from the Mexican and Canadian broadcasters associations.

The meeting was originally to be held in September, but was delayed because of the earthquake.

The NAB, Umansky added, carried duplicate data to the Mexican communications authority that may have been destroyed in the disaster.

Both the FCC and the Mexican communications authority must provide each other with lists of affected stations. Both nations must carefully examine the wording of the text, which is being produced in English and Spanish.

David said it will take 90 days from the finalization of the agreement until the FCC can issue show cause orders specifying power levels for the daytimers on Mexican clear channels.

The final agreement, once signed, will also allow daytimers to expand their PSSI authority past 6 PM, local time. Show cause orders are not needed because the FCC has already informed stations of their PSSI power levels.

The Mexican clears include 540, 730, 800, 900, 1050, 1220 and 1570 kHz.

## Bahamas update

David added that things may be looking up for an agreement with the Bahamian government to allow night operation on 1540 kHz, the one Bahamian clear channel.

While a final agreement has been reached to allow nighttime operations on Canadian clear channels, with show cause orders being released in September, a preliminary agreement has not yet been reached with the Bahamas.

David said the Bahamian government previously said it would denounce the North American Radio Broadcasting

Agreement (NARBA), in which case the US could simply forget negotiations with the island nation, located off the east coast of Florida, and authorize nighttime operations for daytimers on 1540 kHz. However, the Bahamian government has never carried through with its threat.

"We will continue with our diplomatic channels," in an attempt to pen an agreement, David added.

He also said that the US and Canada will hold a bilateral meeting in Ottawa on 3 December. Topics are scheduled to include the expanded AM band and various FM and TV agreements.

## AUTLAN, JAL



AUTLAN LA PUERTA DEL PACIFICO

## WITL

BEST IN THE COUNTRY

# Worker Dies In WZT Double Tower Collapse

One construction worker was killed instantly and two others were seriously injured last Friday (12/6) when the first section of a new 450-foot tower they were erecting for WZT/Columbus crashed to the ground. The station's existing 300-foot tower nearby was also felled in the accident, knocking the Black/Urban station off the air for several weeks.

The victims, all members of a four-man crew employed by Quality Tower Service of Westerville, OH, were attached to the tower by safety belts and rode the toppling structure to the ground.

A crew member who witnessed the mishap said a pole used to raise tower sections into position began to sway. It fell into the guy wires holding up the old WZT tower, who

and then both structures collapsed. The witness used a crane to lift the twisted wreckage off one of the injured men. Help was summoned by a WZT staffer who called the transmitter site to find out why the station had gone off the air.

The dead man was identified as Paul Kemper, 32, who had started working for Quality only the day before. Kemper died of a crushed chest. Critically injured was Bill Jasinski, 28, who suffered two broken legs and internal injuries. Terry Solt, 31, received chest injuries.

WZT President/GM Bob Kramer said no station personnel were at the site, which is in a remote location several miles from WZT's studios in Johnstown. Kramer, who

was on army duty in Washington at the time, commented, "If I wasn't on reserve duty I probably would have been injured. I would have been there."

Kramer said the tower upgrade from 300 to 450 feet was designed to "get us over a hill" and improve coverage in Columbus. He called the accident "a total loss" of the two towers.



P.O. BOX 448  
SENATOBIA, MISSISSIPPI 38668

## DOMESTIC DX DIGEST

Dave Schmidt, 42 Chelwynne Road, Castle Hills, New Castle, DE 19720

Here is the NRC column which is almost as exciting as receiving a gift for Christmas and finding out you got the same thing at Easter! When sending your items in, please use one side of the paper, type or neatly write, EST, leave more space between your tips (needed for when they're cut into strips), and fill that. Now, better some real wrap!

—Kilzam—



\*\*SPECIAL\*\*

750 WPDX WV CLARKSBURG - Per verie, now running AM stereo. (JP-ON)  
 1040 WJOR TN ST JOSEPH - 11/30 1730-1745 in very well, 100% copy of CW/gospel format  
 on this new station. CP granted a few months back, no time wasted! (JS)  
 1200 WAGE VA LEESBURG - 12/8 2355 noted w/pop music, female an't, signal varied  
 from very strong to poor u/WOAI. Believe 0000 u/off. (BS-DE)  
 1310 WKOJ MS HATTIESBURG - Noted silent 11/28, sign on door of station says will  
 return 12/2 but doubt it, station is bankrupt and in court with past  
 owner of station. (CSB-MS)  
 1430 WLAU MS LAUREL - Station went off 11/15, won't be back. (CSB-MS)  
 1530 WDKY MI LAPEER - 11/30 0945 not noted on air, usual simulcast of FM, which was  
 still on, but no trace of AM signal. (FV-OH)

\*\*PREDICTION CHECKS\*\*

WSNI

810 WSG IC MS MAGEE - Per s/l, f/c is every 4th THU 0215-0245. (CSR-MS)

\*\*\*DX TESTS\*\*\*

1420 WJJS KY Not heard. (CSB-MS)

**\*\*EMERGENCY BROADCASTS\*\***

1140 WASG AL ATMORE - 11/20 2317 w/Hurricane Kate info, radar weather, CP for 50000 watts is now on. (CSB-MS)

\*\*MIDDAY - MIDNITE\*\*

560	CKCN	PQ	SEPT-ILES	- 11/15 2149-2155	fair w/French talk, station promo w/Playground of Sound slogan & rock music in English,then u/WPIL. (BH)
550	WKRC	OH	CINCINNATI	- 11/30 1400	very weak w/ID u/WHND-560 splash. (FV-OH)
630	CFCO	ON	CHATHAM	- 11/30 1310	w/music, etc., splashing WZVN-610 even in Bowling Green, OH. (FV-OH)
660	KSKY	TX	DALLAS	- 11/30 1829	s/off in the clear. Still in Dallas, still a day-timer, no mention of Balch Springs yet. (JS-OH)
710	WAQI	FL	MIAMI	- 11/24 2100	English/Spanish ID as Radio Mambo La Grande, way o/WOR/Cuban. (CSB-MS)
730	WMTC	KY	VANCEVILLE	- 11/16 1714-1730	good w/REL music, s/off mentioned KY Mountain Holiness Assn. and Sunday Noon s/on. (BH-NJ)
740	KRMG	OK	TULSA	- 11/25 1800	jingle/ID, talk til news. (FV-OH)
760	WCHP	NY	CHAMPLAIN	- 11/28 1443-1502	noted w/religious songs, commentary by man/woman anc'r/s in French while passing their xmtcr site, slogan 'Vous ecoutez 25 milwatts d'inspiration', ID as 'Ici WCHP' 1500. (RUGG-PO)
770	UNID			- 11/30 1813	someone atop w/AI, football on 'Bama Football Net.', gone at 1831, obviously a pattern/power switch, who? If WMM, they were very late w/changeover to the tune of 1 hour. (JS-OH) WHO still on 1040!
780	WABS	VA	ARLINGTON	- 11/16 1556-1604	finally pulled from u/WABC-770 splash w/college football, ID dualed w/Washington. (BH-NJ)
790	CKSO	ON	SUDSBURY	- 11/25 1804	w/ID, news, weather. (FV-OH)
800	WCWA	PA	CHAMBERSBURG	- 11/16 1542-1554	fair o/WMM w/CW music, female anc'r, ads, contest, has just put in new equipment per varie. (BH-NJ)
860	UNID			- 11/25 1808	CW music, no ID's heard except for titles, time & temp checks. (FV-OH)
900	WATV	AL	BIRMINGHAM	- 11/19 1900	w/s/off asking listeners to write FCC about fulltime service, 214 watt PSSA. (CSB-MS)
980	KDSJ	SD	DEADWOOD	- 11/21 2135	fair but very fady thru WONE w/basketball. (RK-IL)
1010	WINS	NY	NEW YORK	- 11/25 1815	news, weather, ID, usual stuff. (FV-OH)
1040	WBZW	TN	POWELL	- 11/30 1700	loud, atop all w/news into standards, sounded like satellite feed, 'In tune w/your memories'. (JS-OH) Per TC, its SNN (DS)
1060	WRWV	OH	CANTON	- 11/20 1618	briefly o/KYW/CJRP/WMBA w/ad, last heard as WQIO(JP)
1160	WYRU	NC	RED SPRINGS	- 11/30 1700-1720	fair w/B/Sol type rock music, anc'r w/heavy drawl, many local mentions. (HJH-PA)
	WAMB	TN	DONELSON	- 11/30 1711	blasting thru at this time w/MYL, back & forth w/WYRU. (HJH-PA)

250	KALO	TX PORT ARTHUR	- 11/30 1822 alone on channel w/Kay-low IDs, weather. (JP)
280	WIBB	GA MACON	- 11/30 1802 very weak w/B/Sol til s/off w/no SSB. (JP-ON)
310	WOKB	GA DOUGLAS	- 11/30 1801 weak w/full data s/off w/no SSB, FM 106.7 ment. (JP)
	WHEP	AL FOLEY	- 11/29 1459 Fair w/ID, Mutual news, local WKQJ off. (CSB-MS)
340	WNBB	MA NEW BEDFORD	- 11/30 1603-1611 nicely atop w/local news, MYL type music, chatty anc'r. (BH-NJ)
350	WHMI	MI HOWELL	- 11/30 1200 w/local news, weather, ads. (FV-ON)
	CJLM	PQ JOLLIETTE	- 11/17 1549-1554 tentative ID, good w/ad in French, top 40 music in English. (BH-NJ)
360	WMOB	AL MOBILE	- 11/30 1900 fair o/u mess w/full data s/off, no SSB. (JP-ON)
380	WYNX	LA BATON ROUGE	- 11/30 very strong briefly w/full data s/off w/no SSB, o/WPHM. (JP-ON) You forgot the time, Jeff. (OS)
	WXIC	OH WAVERLY	- 11/20 1715 o/WIZO w/community note program, AM/FM ID's, chased for several days before ID'ed, thought changed to WPRO a while back? (JP-ON)
	WACB	PA KITTANNING	- 11/28 1700 part of full data s/off w/SSB in mess. (JP-ON)
390	WADA	NC SHELBY	- 11/30 1817 very strong w/Top 40 music, ID, promo for Dr. Demento. (JP-ON)
400	CJPP	PQ RIVIERE DU LOOP	- 11/17 1540-1544 very good w/English Top 40, talk and ads in French. (BH-NJ)
420	KPEL	LA LAFAYETTE	- 11/24 2302 w/WRCG w/ads, REL program. (CSB-MS)
440	WHYY	AL MONTGOMERY	- 11/24 2343 w/rock music, Y 102 FM mentions. (CSB-MS)
450	WDLK	AL DADEVILLE	- 11/18 1809 poor w/PSA, ID. (CSB-MS)
460	WBCU	SC UNION	- 11/30 1911 weak w/CJOY/etc w/CW music, ID. (JP-ON)
	WRAD	VA RADFORD	- 11/26 1607 fair in early sunset jumble w/news, ID. (RK-IL)
520	KOMA	OK OKLAHOMA CITY	- 11/16 1814-1830 fading badly in WKEW null w/MYL type music, never heard when they were CW. (BH-NJ) It still sounds the same!
540	WMYF	NH EXETER	- 11/16 1740-1755 good w/Top 40 music, female anc'r, 'The station the seacoast is turning to' slogan. (BH-NJ)
550	WJUX	LA BATON ROUGE	- 11/18 1815 fair w/s/off w/'Messiah'. (CSB-MS)
570	WCRL	AL ONEONTA	- 11/22 1745 noted o/local WHII w/s/off. (CSB-MS)
	KQWC	IA WEBSTER CITY	- 11/15 1912 poor w/XERF nulls w/s/off, FM 96 ment. (CSB)
580	KZIA	NM ALBUQUERQUE	- 11/30 1853-1901 w/talk til s/off. (JS-ON)

\*\*MIDNITE - MIDDAY\*\*

550	CFNB	NB FREDERICTON - 11/18 0200 fair/poor w/rock music, ID then gone, KUSA was on but almost inaudible, surprise of the season (RK-IL) Good catch!
730	KSUD	AR W MEMPHIS - 11/24 0703 poor w/XEX OC w/promo, (CSB-MS)
	WPAL	SC CHARLESTON - 11/16 0612-0617 good briefly w/gospel music, promo w/echo, female anc'r, 'Keep it right here, we'll put it in your ear!' (BH-NJ)
740	WSVQ	TN HARROGATE - 11/30 0632-0640 very good w/bluegrass, weather, PSA. (BH)
790	WTNY	NY WATERTOWN - 11/16 0711-0719 good w/rock music, Sat. nite oldies ment(BH)
890	KDXU	UT ST GEORGE - 12/5 0000-0018 local like w/ID, ABC news, pop/rock music w/little talk. (FPO-CA)
	*WQIS	MS LAUREL - 11/17 carrier left on AN, (CSB-MS)
1090	WILD	MA BOSTON - 11/30 0719-0738 fair in WBAL null w/B/Sol music, rapping music and ads, 'Ten-nine-o' ID's. (BH-NJ)
1180	WFGN	SC GAFFNEY - 11/29 0702 fair in WJJD-1160 splash w/local news. (RK-IL)
	KTUN	TX HUMBLE - 11/8 0007 fair o/WHAM/CMOD w/CW music, phone #. (CSB-MS)
1230	KLIC	LA MONROE - 11/11 0111 w/SMN, ads, ID. (CSB-MS)
	KWTK	TX WACO - 11/27 0150-0200 poor w/oldies til s/off. (CSB-MS)
	KSST	TX SULPHUR SPRINGS - 11/27 0334 poor/fair w/local news, ID. (CSB-MS)
1420	CJMT	PQ CHICOUTIMI - 11/9 0554-0557 tentative w/French talk into disco music in English. (BH-NJ)
	WKCW	VA WARRENTON - 11/9 0557-0625 way o/all w/crazy s/on, 5000 wild wooly watts, bluegrass/CW music, anc'r was 'Old Tom Cat', ad for horseblanket and just IDing as 'Big K Radio', never did hear a legal ID! (BH-NJ)
1460	WCMB	PA HARRISBURG - 12/2 0050-0101 w/oldies, non ID as '1460 hits', noted w/bits of CKRB. (PRM-NJ)
1490	WCSS	NY AMSTERDAM - 11/9 0705 briefly atop w/community notes, ad. (BH-NJ)
1570	WGMR	MI FLINT - 11/28 1115 BFL music, ads, ID as Beautiful 15-70. (FV-OH)

\*\*THE DIAL TWIXTERS\*\*

BH-NJ/Bob Harrison, Union, NJ/Superadio  
CSB-MS/Chris Baakind, Hattiesburg, MS/DX400, Wedge Loop  
JP-ON/Jeff Falconer, Clinton, ON/NeRD 515, Loop, Dipole  
PV-OH/Fred Vobbe, Lima, OH  
RUGG-PQ/Andy Rugg, Nuns Island, PQ/Delco Car Radio  
HJH-PA/Harry Hayes, Wilkes Barre, PA/HQ180, SM2  
JS-OH/Jerry Starr, Hubbard, OH/HQ180, Loop  
FFO-CA/Frank Orcutt, Alameda, CA  
PRM-NJ/Paul Mount, Teaneck, NJ/TRF  
RK-IL/Robert Krammer, Chicago, IL/R1000, HQ129X, Radio  
15-DE/Yer editor!



HAPPY  
Holidays!

# 6 INTERNATIONAL DX DIGEST

Chuck Hutton, 437 Hardendorf Ave., Atlanta, GA 30307

Times are GMT

For ELT subtract 5 hours.

Deadline: Monday

BELIZE new freqs for the VOA MW xmtr under construction are 1530 and 1580.

COLOMBIA 580 R. Nacional is inactive. 660 R. Ciudad de Cucuta ex 860. 1120 HJTI R. 24 ex R. Tonchala. 1200 HJIJ R. 1200 ex R. Colibri. 1480 R. Sonoráma ex R. Centinela. 1500 HJLJ R. Tropical ex R. Tigre.

COOK ISLANDS is 24 hours on 648.

COSTA RICA 640 TI00 R. Musical ex R. Cucu. 960 TIECO R. Sensacion ex R. Eco. 1060 R. Columbia San Isidro de El General ex Liberia. 1580 R. Sasino, Siquirres is new.

DOMINICAN REPUBLIC 910 R. Tiempo, San Pedro de Macoris is new. 1480 R. 1480 AM, Santo Domingo ex R. Disco. 860 R. Clarin back on the air. 1250 R. Triunfo ex R. Punto. 1280 R. Boya ex R. Monte Plata. 1480 R. Capital ex R. 1440. 1490 R. Marien ex 1260. 1570 R. Juventud ex 1250.

ECUADOR 748 R. Libertad ex 757 ex 767. 898 R. Chone ex 900. 1010 HC.. R. Victoria is a new station. 1030 R. Union is back on freq. 1100 R. Novedades ex 1105. 1110 Ondas Azuayas ex 1100. 1110 R. Exito ex 1105. 1226 R. Sira here ex 1225. 1235 LV de Saquisili/Libertador is the new slogan. 1250 R. Novedades ex Canal Juvenil. 1260 Ondas Carchenses ex 1255. 1410 R. Presidente ex LV del Pueblo. 1410 a relay of Em. Gran Colombia-610 is here. 1425 Dimension 14-30 ex R. Porteno with 5 kw. 1490 R. Santa Mario ex R. Antena Mariana. 1552 R. Liribamba ex R. Cumanda ex 1560. 1570 LV de Ingapirca ex 1560. 1570 HCPG1 Radiodif. Nucanchi is now active after a long silence.

FRANCE 738 a new 4 kw xmtr in Romainville relays external service of RFI and ID's as Radio 7. 819 Sud Radio has 3 relays in France: Lilbourne with 50 kw, Gaure with 20 kw and Seron with 20 kw.

GUATEMALA 1420 R. Capital ex R. 1420.

HAITI 1240 4VJH R. Antilles Internationale is a new station.

HUNGARY 1341 Budapest is now 300 kw.

KIRIBATI has drifted down to 841.

LIBYA 1124 El Beida reported inactive.

MADEIRA 801 a new 10 kw tx will soon replace the old 1530 khz tx.

MARSHALL ISLANDS 1098 Majuro broadcasts Mo-Fr 1800-1200 ans SA-Su 2000-1200.

MOZAMBIQUE 872, 1223 and 1295 are reported inactive.

NORTHERN MARIANA ISLANDS 1053 KCNM is 1 kw 2000-1400 all week.

PANAMA 770 HDL83 Satelite Azuero is a new stn. 920 R. Mia, Los Santos ex 930. 970 Ondas Centrales, HOS97 is a new station. 1015 R. Nacional, Bocas del Toro ex LV del Teribe. 1015 R. Ritmo, Chitre now here. 1130 R. Sensacion, Aguadulce ex 1280. 1170 Promocion Profesionales is a new 1 kw station, H0052. 1220 R. Este, H0H40 is a new stn. 1240 R. BB, Panama ex 1250. 1330 R. Fiesta, H0H92 is a new 1 kw stn. 1400 HO.. R. Luz is new. 1420 HOK85 R. Mi Preferida is new.

PERU 1200 R. Quillibamba was blown up by guerrillas June 8. 600 R. Cora is a new stn. 340 OBX4E is here now. 580 R. Comas ex 590.

PORUTGAL 1485 RdP Lamego ex 926. R. Altitude now 1584 ex 1495.

SOUTH AFRICA operating tx's are: 576 R. Five Bloemendaal, 648 Lotus, Maraisburg, 657 Xhosa, Komga, 684 Five, East London, 729 Five, Cape Town, 729 Venda, Maraisburg, 783 Five, Bloemfontein, 801 Five, Durban, 810 Five, Grahamstown, 828 Five, Welgedacht, 864 Venda, Pietersburg, 990 Tsonga, Pietersburg, 1116 Five, Pietersburg, 1287 Swazi, Welgedacht, 1314 Five, Port Elizabeth. 1404 S. Ndebele, Welgedacht. 576 and 657 are reported 100 kw now.

SPAIN 1008 EFJ56 ex 1107.

1  
VENEZUELA 560 YVJA Rdif. del Ejecutivo should be deleted. (Call those guerrillas from 1200 Peru above! Chuck)

YUGOSLAVIA 1008 Aleksinac is 400 kw days and 120 kw nights.

Big week for TP's making it far inland it seems. Read 738/774/774 for some reports on what's been heard.

155t ROMANIA 11/17 0150 weak through partially phased dimmer noise--gypsy mx and FF style (Arnavour/Piaf) romantic "torch songs". Signal not good enough to allow positive determination of language used. (Connelly)

164 FRANCE Allouis 11/17 0144 to good peaks w/recent hit "Everybody Wants to Rule The World" followed by FF talk. (Connelly)

173 MOROCCO Mador, Mediterrane 11/24 0711 FF talk and pop music, poor. (Allen)

185 WEST GERMANY Saarlouis 11/17 0145 VERY LOUD (best LW TA at the time)--rock, including "View to Kill" by Duran Duran, was coming in at entertainment quality level. (Connelly)

200 ENGLAND Droitwich et al 11/17 0146 woman in EE, fair to good w/TUR-194 pest phased. (Connelly)

209 MOROCCO Azilal RTM 11/21 0516 man in AA, poor, Houston Aeradio nulled. (Allen) 11/17 at 0205 AA talk, fair to good. (Connelly)

530 COSTA RICA Cartago TICAL 11/17 0139 good despite ORM from Algeria 531 and from the "NB" beacon--festive SS mx having urban-contemporary "rap" mx influences; followed by ad for Banco Agricola de Cartago. (Connelly) tentative, 11/11 0215 singing group (mixed voices) with TICAL assumed, strong het against 531. (Stutterheim)

530b USA Jamaica, NY TIS at JFK airport, usually heard in Montauk for maybe five minutes at this time. Gives list of airlines and terminal numbers. Never heard any other time. Can't even get it a mile away from the airport on the car radio, yet it pops in for 5-10 minutes each pre-dawn. (Stutterheim)

535 GRENADA 9/20 2329 business/economic news by woman in EE. (Stutterheim) 11/17 0136 good w/calypso. (Connelly)

555t NICARAGUA 11/17 0134 SS talk in slop. (Connelly)

590 CUBA La Julia R. Rebelde CMCA 11/20 0200 noted off after Hurricane Kate went through. (Baskind)

600 CUBA 11/17 0221 noted w/massive signal-audio grossly distorted and compressed (worse than most CB sets) (that means unintelligible--Chuck). SS talk // 590. The 590 Cuban was mopping up WEEI at the time. (Connelly)

640 CUBA unid location 11/20 2322; Radio Rebelde relay here // 620, etc., w/poor-fair signal o/u TGW. R. Progresso-CMBC, Guanabacoa has been missing since the hurricane. Moved or damaged, I guess. (Baskind)

648 UNID 11/11 0210 strong het here; no audio. (Stutterheim)

657 TANZANIA 11/10 2312 strong het at beginning, long period fades (about 4-5 minutes), mideastern type chanting barely audible at 2319. No sign of any 657 station. Later, at 0208 on recheck found het to be against 655. Tanzania seems unlikely; any other probable? (Stutterheim) Nothing pops into my mind--Chuck

666 PORTUGAL 11/17 2034 PP talk in heavy WNBC/WRKO slop. (Connelly)

684 SPAIN Sevilla 11/17 0127 poor to fair w/SS vocal, o/low-pitched het. (Connelly)

693 UNID 11/10 2128+ American r&r, all the top hits here; man in heavy basso voice speaking at intervals. Strong at 2239; woman at 2300, possibly reading the news in either EE or OG (or similar). I just can't extract ID. (Stutterheim)

700 COLOMBIA HJCX 11/17 0131 strong o/growl--SS news of relief effort following volcanic eruption. (Connelly)

700 JAMAICA Montego Bay JBC Radio One 11/18 0350 running accented EE religious program in HLW null. (Baskind)

702 UNID 10/25 2155 African bongos with African type chanting. SAN gave grainy sound (or was it bad audio?). (Stutterheim)

710 CUBA unid R. Progresso CM.. 11/18 2344 dominant w/hurricane warnings for Camaguey. I've noticed the Progresso outlet on 690, CMEL Santa Clara, appears to be gone (good!). Maybe this is where they went. (Baskind)

712.6 CUBA 11/10 2234 Cuba-R. Rebelde heard on spur. Seems to be DSB with little carrier (het hardly detectable with BFO) yet good audio. Strong // 590. One ID as R. Veintesete. (Stutterheim)

720 PORTUGAL Norta-Azurara 11/17 2032 good w/man in PP-one of the better pre-sunset TA's. (Connelly)

730 COSTA RICA San Jose R. Reloj TIHB 11/17 1053 dominant w/LA mx, lots of IDs // 4832. Noted again 1108 w/nx read over sound of clock ticking.

(Baskind)  
 730 MEXICO Mexico City R. Festival XEX 11/17 1203 xint w/sign-on. (Baskind)  
 738t TAHITI Papete 10/6 0715 very strong carrier here w/bits of audio. Maybe first showing on Papete this season. Weak carriers on 756 and 1017 at the time. Nothing on other promising TP freqs 846 and 1548. (Falconer)  
 747t JAPAN Sapporo JOIB 11/24 man in JJ heard briefly 1112 and 1126, poor, WSB splatter. (Allen)  
 747 NETHERLANDS 10/25 2205 news in Dutch; later into choral music. (Stutt)  
 750 JAMAICA Port Maria JBC Radio One 11/18 0352 w/religion // 700. WSB outrageously strong at the time. Poor. (Baskind)  
 756 WEST GERMANY 10/3 2152 man in GG; various light mc. (Stutterheim)  
 760 MEXICO Mexico City R. ABC Internacional XEABC 11/20 0230 w/full ID, "Noticias de Mexico", info on memorial services for quake victims. (Baskind)  
 765 SENEGAL Dakar 11/16 2024 a-capella African vocal mx. (Connelly) 11/21 0641 good w/man in FF. (Baskind)  
 770 COLOMBIA Bogota R. KJKN 11/17 0113 detailed SS information about volcano disaster. Easily heard w/WABC phased. (Connelly)  
 774t AUSTRALIA 11/3 0832-0910 tuned in to find a program of light jazz in progress which peaked to poor audibility several times for several minutes until news at 0900. A woman spoke between selections but not a word of what she said could be made out. After a fade on the hour, the signal came back up a few minutes later with a man in EE reading the news, of which a few phrases were quite clear, such as "nuclear race" and "no one". Not really a whole lot of detail here; too bad it wasn't a better night with a lot less static and good conditions to the west. This was heard on a Beverage expedition about 50 miles west of Atlanta on 1500 feet of wire pointed due west which is straight at Australia. All three times I have had a west Beverage set up here, the carrier has been quite detectable. This time I brought an SPR4 along instead of the FRG7 in hopes of some international DX, but naturally conditions were poor. A few other carrier are always noted, such as 666, 765, 1026 and 1044. None of these have produced audio. (Hutton)  
 774 JAPAN Akita JOUB 11/17 1201-1302 man in JJ, fair to good, KOB stop. 11/21 1104-1245 fair to good. 11/22 1102-1244 fair to good, long, deep fades. 11/23 1107-1158 man and woman talking, woman singing, fair. 11/24 0737-0815 man in JJ with TS and ID by woman 0800, fair, WABC/WMAQ splatter (WBBM? Chuck), lightning static. 1107-1248 man in JJ (no EE at 1130 as per WRTH), fair to good. (Allen)  
 774 SPAIN R. Nacional de Espana 11/21 0216-0605 man and woman in SS, occasional music, poor to good, WABC/KOB splash. 11/23 man and woman in unid lang, music 0618-0658 then SS 0700-0704, fair, frequent fades. 11/24 0548-0626 in SS, fair, WABC splatter. (Allen) 10/2 0130 fair with man in SS. First TA opening here this season. (Falconer) 10/25 2255 man in rapid SS; five time pips at 2300 followed by fanfare or musical ID "Radio .... de Espana", electronic sounds, into the news. (Stutterheim) 11/20 2322 poor-fair w/SS pops. (Baskind) 11/17 2027 SS talk, good. (Connelly)  
 783 PORTUGAL Miramar 11/17 0241 loud (better than WBBM-LA's on 780). Mid 70's British rock hits were played. (Connelly)  
 792 SPAIN Seville 11/17 0245 fair w/SS female vocal. (Connelly)  
 805 UNID 11/11 1005 carrier here only. (Stutterheim)  
 819t ANDORRA 1025 2120 man in FF, slight echo; strong signal but bad 820 het. (Stutterheim)  
 825 ST. KITTS R. Paradise, Basseterre 11/18 0022 poor-fair w/EE religion, plenty of splatter from WBAP. (Baskind) 11/17 0246 R. Paradise w/SS pgm pegging the S-meter needle. (Connelly)  
 828 JAPAN Osaka JOBB 11/24 1203 strong het, 1210 man heard briefly in JJ, fair level, WCCD partially nullled. (Allen)  
 830 BELIZE Belize City R. Belize 11/17 1056 w/1 KHz TT prior to 1100 s/on. Good. (Baskind)  
 837 CANARY ISLANDS Las Palmas 11/17 0102 good w/SS talk. (Connelly)  
 837 FRANCE 10/25 2115 woman singing in FF backed by small jazz combo. (Stutterheim)  
 837t PORTUGAL 10/5 0110 religious pgm, possibly in EE; Hakiel ID'ed it for me. (Stutterheim)  
 855t ROMANIA 2150 11/10 two men in lang; possibly posrts event, time pips (2 at 2200. (Stutterheim)  
 855 SPAIN 10/2 0136 very strong w/woman in SS. Carriers on 585, 729, 738, 837 and 846. (Falconer)  
 891 ALGERIA Algiers 11/17 0057 AA male vocal and violins at powerhouse level. (Connelly)  
 895 COLOMBIA Santa Marta HJPM 11/17 0059 good w/excited SS talk. (Connelly)

980 MEXICO Nueva Rosita La N-R XENR 11/21 0556 s/off, NA. Gave s/on as 0600 local. (Baskind)  
 1011 UNID (Colombia?) 11/17 0313 screaming het against WINS; audio too murky to allow ID extraction. (Connelly)  
 1020 CUBA Bahia Honda CMAP 11/21 1000 entire Guama cadena running Radio Reloj. (Baskind)  
 1025 COSTA RICA unid location 11/20 1005 poor-fair w/long fades. I've been trying to firmly ID this for a few weeks. Many "Buenos Dias, Costa Rica" mentions, possible "en Monumental". Perhaps TIBAS from 1020. (Baskind)  
 1034 GUINEA BISSAU 11/3 2149 strong het here against 1035. Only stn listed. (Stutterheim)  
 1035 PORTUGAL Lisboa 11/17 0300 good w/PP talk. (Connelly)  
 1040 CUBA Puerto Padre R. Victoria CMLQ 11/18 0255 w/flute mx // 1050. (Baskind)  
 1044 MOROCCO Sebas Aïoun 11/21 0611 fair w/AA vocals, man in FF. OC most eves. (Baskind)  
 1055 UNID 11/10 0130 I've been chasing this for a while; peaked at 0135, gone 0200 on recheck. (Stutterheim)  
 1062 PORTUGAL 11/19 very good w/PP man, soft mx 2230. Many strong midband TA carriers, especially 1044. (Falconer) 11/17 2100 PP talk and mx, stopped by CJRP 1060. (Connelly)  
 1127 UNID 11/17 0432 het against WNEW/LA's on 1130. (Connelly)  
 1134 SPAIN synchros 11/17 2102 fair w/SS pgm. Assorted SAH's, low-pitched audible hets, growls, etc. noted in background. (Connelly)  
 1140 CUBA La Habana R. Cadena Habana CMWH 11/17 1030 w/ID, time pips bottom of the hour. Mixing w/CHNN. Fair. (Baskind)  
 1150 CUBA Buaycitos CHNO 11/18 0344 ID, SS MoR type mx. (Baskind)  
 1160 CUBA Pilon R. Bayamo CHNH 11/18 2259 very good w/ID, NA. (Baskind)  
 1175 UNID 11/11 1017 carrier only. (Stutterheim) (Panama-Chuck)  
 1183 1200 11/11 1017 carrier only; weak and for the record only. (Stutterheim)  
 VENEZUELA Caracas 11/17 0441 YVOZ still reigns supreme on 1200 in W. Yarmouth at night (despite addition of WKOX and other eastern U.S. stations to the channel). Radiotirmpo ID was booming in like a local, thoroughly annihilating all co-channel competition. (Connelly)  
 1236 CUBA unid location R. Veintesiete CM. 11/21 0735 now here ex 1235; ex wherever. Cuban dance mx. (Baskind)  
 1251 LIBYA Tripoli 11/17 0418 massive het, bits of AA mx. (Connelly)  
 1310 CUBA La Fe R. Caribe CMOL 11/21 0746 w/Cuban mx, 0802 ID "en Radio Caribe, en la Isla de la Juventud, Cuba...", into program of calypso stuff. (Baskind)  
 1314 NORWAY Kvitsøy 11/25 0715-0815 GMT. By the sound of the programming I would describe it as follows. 0715 religious with talk and music; 0730 a program for children with female telling stories and singing; 0800 news headlines; and 0804 onward pop music with man and woman announcers chatting between tunes. Typical morning type programming many places. Some fading, but overall quite decent signal most of the time. (Zank)  
 1375 ST. PIERRE ET MIQUELON 10/26 1121 het only but apparently on air at this early hour. (Stutterheim)  
 1436 CUBA unid location 11/21 0322 w/futbol, many Camaguey references. Couldn't get an ID but heard 3 tone IS 0431. Frequency modulating a bit. (Baskind)  
 1467 MONACO Monte Carlo 11/16 2040 country style religious vocal mx. (Conly)  
 1521 SAUDI ARABIA Duba assumed 11/20 0247 destroying 1520 w/1 KHz het audible on every radio in house following Mark Connelly's tip in issue #6. Listened until 0315 but no audio surfaced. I'm sure it will. (Baskind)  
 1540 BAHAMAS 10/8 2310 R. Bahamas ZNS1 very strong w/nx and Bahamas Electricity Board asking residents to pay bills. (Falconer)  
 1656.1 UNID 10/26 1110 het only. (Stutterheim)

Nice column this time with some good DX and a fine mix of reporters. Keep it up guys, looks like this season is a fairly good one with even better things to come.

Richard Noel Allen-Billings, OK	FRG7700, SM2, MW1, LW
Chris Baskind-Hattiesburg, MS	DX400, Wedge
Mark Connelly-W. Yarmouth, MA	R600, 2 phased 37 m. LW's
Jeff Falconer-Clinton, ONT	NRD515, Radio West loop
der editor	SPR4, 1800' West Beverage
Matt Stutterheim-Montauk, NY	R7A, HO180A, antennas
Neil Zank-Lincoln, NE	HO180A, 2' loop

10

The above column was supposed to go in last week, but off I went suddenly to New York and the best laid plans of mice and men went astray....

535 GRENADA Morne Rouge 11/25 0125 fair w/cl mx. (Baskind)  
660 HONDURAS Tegucigalpa HRN 11/24 1150 w/nx, promo with full ID 1155. Fair until LSR. (Baskind)  
660 MEXICO Mexico City XERPM 11/25 0422 poor u/WNBC, etc. w/"La Hora Nacional". (Baskind)  
730 MEXICO Mexico City R. Festival XEX 11/24 1205 xint w/NA at s/on. (Baskind)  
774 SPAIN 11/26 0224 strong w/man and woman in SS, sedate guitar mx. (Baskind)  
790 CUBA R. Reloj, SS news and time checks between each news item, dominant 12/4 0312 taped. (Brodsky)  
810 COLOMBIA Bogota HJCY 12/1 0038 SS talk by man, fair o/u WGY. (Townsend)  
825 ST. KITTS Basseterre 12/1 0037 Radio Paradise with talk by Bible-pounder. Fair-good. (Townshend)  
860 MEXICO Mexico City XEUN 11/25 0500 call ID coming out of "La Hora.." then gone. (Baskind)  
891 ALGERIA Algiers 11/26 0215 w/female AA vocal in WLS fade. Puts a strong net on 890 most eves. Much splatter from HJPM-895. (Baskind)  
940 MEXICO XEQ Mexico City 12/4 0156-0201 ad for Banco International, SID, ID with freq and pgm announcement for "Noches de Buenos Suerte" to air at 0500, ID at 9:01 as "O mejor" (Big O), taped. (Brodsky)  
1100 CUBA Sagua de Tánamo R. Angulo CMKP 11/24 2335 way u/usual DX garble w/sports // 1110. (Baskind)  
1100 HONDURAS unid loc, R. America HR. 11/25 0804 w/election returns by two very tired announcers, mentions of "Partido Liberal" and "Partido Nacional", tallies from various cities. Poor-fair u/big OC from WWWE. (Baskind)  
1160 CUBA R. Taino (not sure of spelling) 12/3 2253-2301 s/off. Program of EZL music, announcers in SS and EE saying program is for visitors in Cuba and will resume next AM. Dominating freq, taped. (Brodsky)  
1436v CUBA Camaguey province R. Cadena Agramonte CM. 11/25 0029 finally ID'ed by 910 // w/Cuban mx. ID at 0059. Still FM'ing quite a bit. (Baskind)  
1580 ANTIGUA St. John's VOA 12/4 0231-0300 VOA Magazine w/Barbara Klein narrating. 0300 time check and VOA ID, fair to poor w/fading, taped. (Brodsky)

And doing the honors this time around...

Chris Baskind-Hattiesburg, MS DX400, Wedge loop  
Linda Brodsky-Malverne NY R2000, SM2  
Bill Townshend-Washington D.C. DX160

## CONTESTS

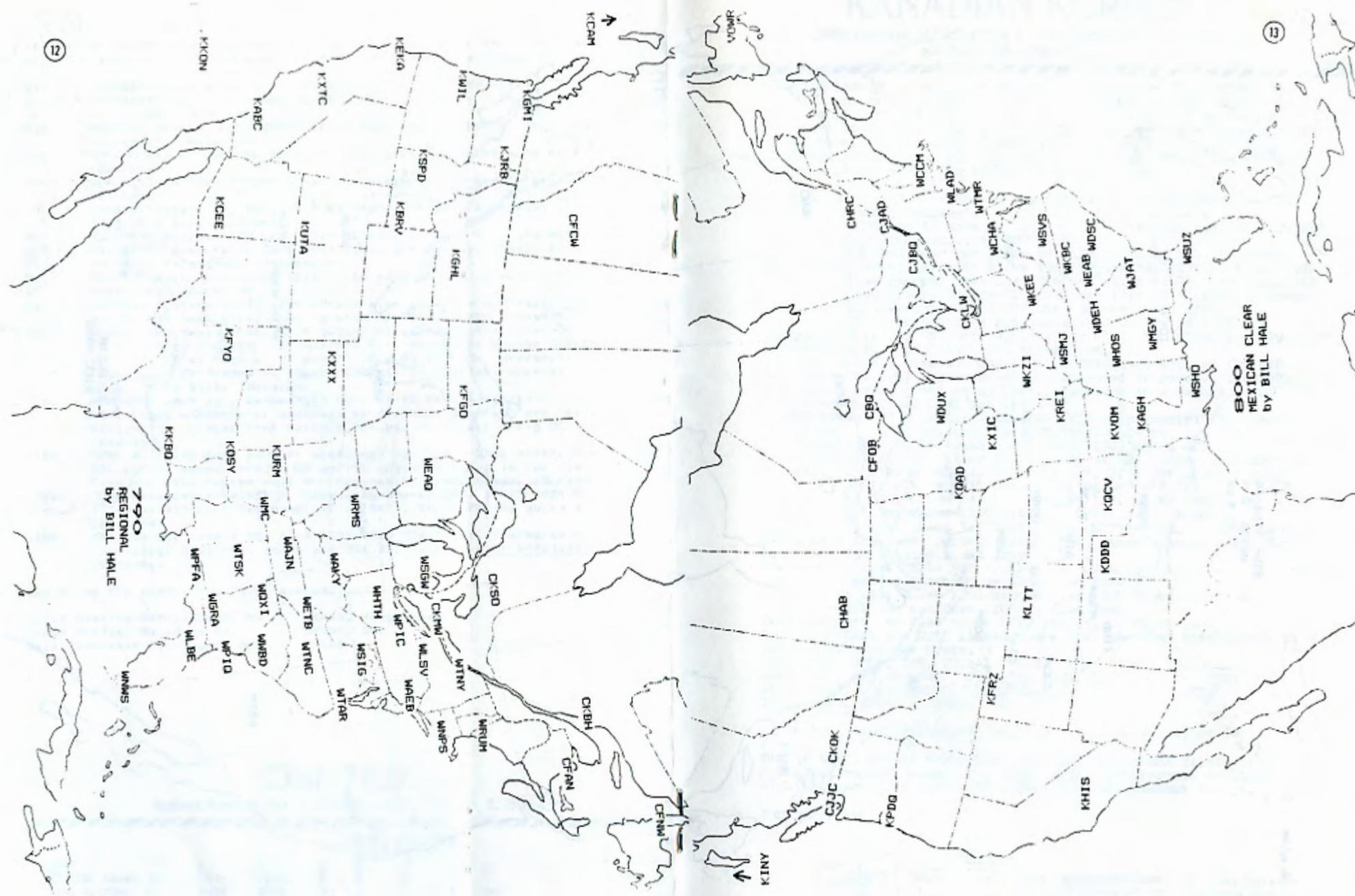
Robert Kramer, 6416 N. Richmond, Chicago, IL 60645

#### CONTEST STANDING

as of 12/15/85							
DXR	A	B	C	D	E	F	G
William Moser, ND	2934	2664	8	1	4	3	--
Niel Wolfish, MB	2459	2038	9	3	3	4	101
Nancy Hardy, WA	1678	956	11	0	6	1	382
Jin Renfrew, NY	1477	1195	5	1	2	2	112
Bill Hardy, WA	1101	651	6	1	2	1	260
Bruce Conti, NH	794	662	2	0	1	2	62
noncontestant							
MD	3621	2281	6	0	5	5	

See last report for a definition of the symbols. Patrick O'Connor requested that he be dropped from the contest due to lack of time. Mike Hogan joined late & hasn't sent in a report yet.

Map of Michigan showing county boundaries and radio station call signs. The stations are: WBBM, WJAS, KSP1, KAZM, KROW, KNOH, WZ2X, WPTN, WHCH, WCRB, WJKB, and WJKB. A note on the right side reads "780 U.S. CLEAR by BILL HALE".



Radio Stations **KMHN/KHKF**  
 2414 Casement Road  
 P. O. Box 1350  
 Manhattan, Kansas 66502

Valley Communications, Inc.  
**KOOG** RADIO  
 5:00 a.m. - 14:00  
 1301 East Fourth  
 P. O. Box 249  
 North Platte, NE 69102

**WANR** AM 1600

P. O. Box 6273 Wheeling, West Virginia

This follow-up is not meant to attack the always fine effort by Jerry Starr & the Buffalo. This almost-the-same CRTC paper was sent to me by Brian Vernon. All I did was retype it by frequency and send it to HRC, INCA, & CIDX. The CRTC paper was dated Jan. 17 '84. It appeared in IRCA Oct. 6 '84(a year ago) & CIDX of July 1984. I always assumed that HRC printed it, but I do have a few missing issues. May I add a few additions to this list.

Alberta: My list showed both 700 Calgary & 700 Red Deer(as CKGY)  
Cancel Calgary as CKRD(850) & not CKGY has a CP.  
CKRD was to move to 870 but CRTC used 880 instead for CHQT  
880 Edmonton...add CHQT(1110) CP  
820 Red Deer was given to CKRD in BC at a lower power.

British Columbia: My list shows 1210 Clearwater 10/lkw. & not 1020. This general area for 1210 was given to CP Slave Lake, AB 1030 Prince George Ul. kills any 1020 at Clearwater area. 780 Penticton CKOK 20/10kw. U4 was on my list 920 Prince George not taken by CKTR per my list

Rather, CFB Prince George not taxed by CRAH per my list.  
870 Prince George not taxed by CRAH per my list.  
Rather, CFB(1230) Smithers applied for 870. Too close to CFPR-360??  
760 Castlegar...add CKPR(1230) already on.  
740 Port Alberni...although not close, CKPR(1230) applied for 870.

340 Fort Alice...although not close, CKHA(1240) applied for 340.  
540 Vancouver...CP approved but now approved to move to 1040 50kw.  
650 Vancouver CINL was on my list...Richmond is a suburb.

1200 Victoria...add CKOA now has a CP  
Saskatchewan: 760 Regina denied as CRTC only granted 750 Saskatoon  
Winnipeg: 880 Brandon...add CKLO(1570) is on

Manitoba: 680 Brandon... add C081(170) is on  
New Brunswick: 700 St. John: add C081(1150) has a CP.  
Nova Scotia: It is either 820 Halifax or 820 Sydney, but not both.

Ontario: My list shows 640 Cornwall 5kw. U2 & not 540 (too close to My list shows 540 Ottawa listed as CJSB CP. CJSB). My list shows 640 St. Francois 1kw. U2 as CEOR. Has a CP.

My list shows 540 Ft. Frances Ikw. U2 as CFB. Has a CP.  
My list shows 1200 Ottawa. CFCG(1440) is on.  
My list shows 540 Sault Ste. Marie as CKUY. They have a CP  
which says they must protect CJSB. They haven't moved yet. Why???  
750 Timmins add CKW is on.

Quebec: My list shows 990 Montreal as CKGM who had a CP. Then they were denied for some technical reason.

My list shows 1200 Montreal or 1200 Repentigny area  
Only one can have 1200 in this area.

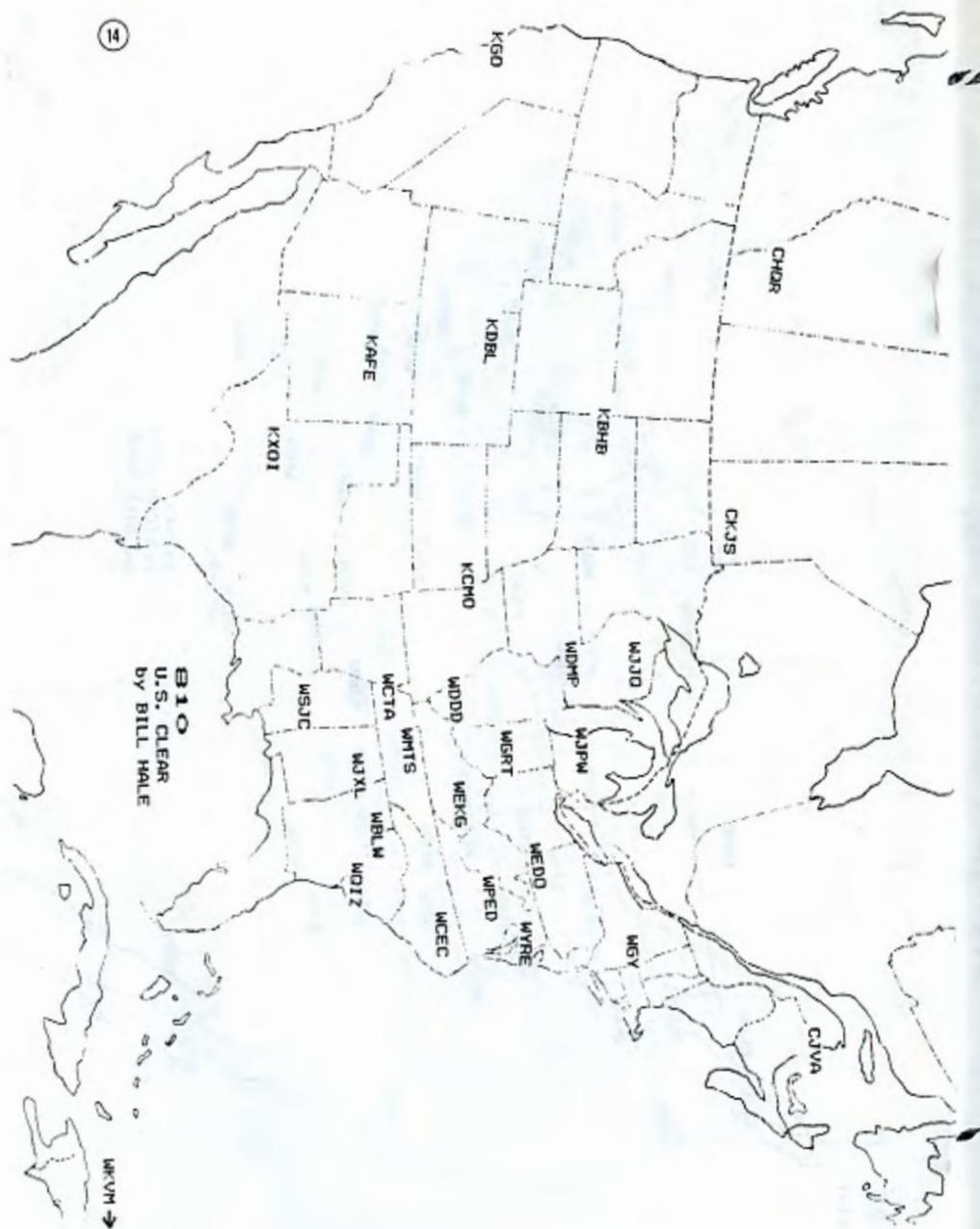
Newfoundland: My list shows 1010 Gander...CPYQ is on.  
Also note that the CRTC listed these stations that they wanted to

540: CRK, CREF, CBT, CBGA-1 640: CBN 670: CHIQ  
690: CBU, CBF, CBMF-1 740: CBK, CBL, CBMM 750: CBGY  
860: CJBC, CBF, CBMF-2, CFPR, CHAK 990: CBW, CBY  
1010: CBR, CFBF 1500: CRJ

Any corrections/additions? The CRTC is known for typos too!

All of the above is taken from the CRTC Canada-USA Bilateral Agreement signed January 17, 1984. CHIN-1540 Toronto getting nighttime operation had to be agreed with the Bahamas though.

John Oldfield



U.S. CLEAR  
by BILL HALE

W I X N

1460 COLLEGE AVENUE  
DIXON, ILLINOIS 61021



GUIDE BROADCASTER'S GUIDE TO DX. A tri-fold guide for use with reception reports explaining DXing, how the NRC was formed and the importance of QSLs to DXers. \$1 for 20.

**SS GUIDE** Spanish version of the above Broadcaster's Guide. \$1 for 20.

FF GUIDE French version of the above Broadcaster's Guide. \$1 for 20.

# TOP END

16 Craig Healy, 66 Cove Street, Pawtucket, RI 02861

1600-1800 KHz Range

Times are GMT

Deadline: Last Sat. of Month

December 1985....Delayed due to a lack of material.....

Pete Kemp forwarded an ARRL news item to the effect that the Radiolocation service has been given primary status from 1900 to 2000 kHz. This is in preparation for the AM band expansion to 1705. The Amateur community is not very happy with this and a petition to reconsider will be filed.

With the new navigation satellites in place, I would think the whole MW radiolocation service would be obsolete. Apparently 'tain't so.

Dr. Tom Gruis sends a couple of TIS reports.

On 1610 there is an apparent TIS type of operation from Saylorville Lake, just north of Des Moines that gives information on weather and depth and water flow, etc. The tape loop message begins and ends with greetings and well wishes for the listeners stay at the lake. They say they have a range of about 5 miles and identify as "KSAY". That call is assigned to 96.1FM in Clinton, Iowa. Heard 3:00 PM local 11/29/85.

The Iowa State Highway Dep't is operating an AM "repeater" of the local WX bureau VHF information station WXL-57, on 1560. Location is the rest area just north of Ankeny, which is just north of Des Moines on I-35. I have picked it up in the car several times. I also understand that another is in operation at the rest area just west of Des Moines on I-80. I haven't been out that way to check it, though. Range of the north station is about 3/4 mile.

Bill Swiger sends some harmonic loggings:

2220	WBT	Charlotte, NC	2800	WKAQ	Charlottesville, VA
2260	WCBX	Eden, NC	2920	WBUC	Buckhannon, WV
2400	WAGE	Leesburg, VA	2980	WSGB	Sutton, WV
2600	WKCY	Harrisonburg, VA	3160	WZKY	Albermarle, NC

Unids on 2060, 2460, 2480, 2500, 2740, and 3200.

I did some checking per Bill's phone tip but found nothing useable.

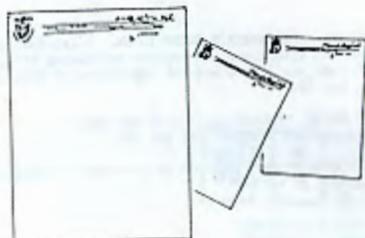
Bill Hardy sends a bunch of TIS info, and a couple of loggings:

1610 WASHINGTON Discovery Bay 0141 10/7 KNHD262 clearly readable w/ occ. fades. TIS w/ tape loop repeating each 23 secs. w/ clear KNHD262 call. "Dep't of Transportation Highway Advisory Radio. Hood Canal Bridge open ferries at Port Townsend, Kingston, and Winslow all on schedule." TIS #5 on 1610.

1610 WASHINGTON Tacoma WNAN648 noted on business trips to Tacoma since last year, has given callsign since May. Usual operation is "City of Tacoma traffic information radio WNAN648". Sometimes "message #2" or "message #3" is hrd. Located at exit 130 of I-5. A similar station on 530 kHz uses the same callsign but is not parallel. Only time hrd w/ traffic info was during a concert at Tacoma Dome. Appears to be used for info only during events there.

I have a fair amount of TIS info that I will condense into one (hopefully) coherent column soon.

Report! This should be several pages at this time of year!!



LOGSHEETS-BY FREQUENCY 110 sheets, 25 entries possible per sheet with space available to add your own columns. Punched for 3 ring binders, full size 8 1/2" x 11". 110 sheets for \$4.80 [Additional pages available: 25 sheets for \$1.20]

# GRAVEYARD DX ACHIEVEMENTS

William R. Hale, 9823 N. Meadow, Converse, TX 78109

Totals on 1230, 1240, 1340, 1400, 1450, and 1490 KHz Frequencies

## TOTAL GRAVEYARD ACHIEVEMENTS

DATE OF LAST UPDATE: DEC 10, 1985

DXER AND LOCATION(S)	1230	1240	1340	1400	1450	1490	TOTAL
GENE ALLEN VALLEJO, CA	76	98	116	117	120	102	679
STAN MORSE BOYD, MA	114	101	102	108	93	607	607
DON KASKEY GALVA, IA	77	104	106	121	61	585	585
BOB KNODY NEWTON, NJ	80	64	74	86	65	403	403
FRANK WHEELER ERIE, PA	81	61	60	65	51	361	361
HANK HOLEPROM CHEVY CHASE, MD	64	50	50	54	44	243	243
ROBERT FRAMER CHICAGO, IL	19	50	50	61	15	247	247
ERNIE WESOLOWSKI OMAHA, NE	48	44	45	51	15	211	211
RALPH SPERRY FAIRFIELD, CT	46	44	45	57	15	211	211
STEVE FRANCIS ALCOA, TN	12	21	21	47	46	211	211
RUSS EDMUND KINNELON, NJ	14	24	24	37	27	195	195
JEFF FALCONER CLINTON, ON	10	24	24	28	24	166	166
ALAN IMPRESIA NEW YORK, NY	10	20	20	24	24	166	166
DAN PHILLIPS JACKSONVILLE, AL	10	19	20	24	24	166	166
JOHN KROMKA MONTVILLE, NJ	10	16	16	20	20	166	166
ANDY ROGG MONTREAL, PQ	10	14	14	18	15	157	157
TIM KERFOOT WESTON, CT	21	25	21	24	24	143	143
RON MUSCO HARTFORD, CT	16	20	14	20	17	131	131
RICH EDDIE ST. LOUIS, MO	12	24	16	24	24	130	130
CHRIS LUCAS VARIOUS LOCATIONS	20	24	16	24	24	130	130
DAVE FOX READING, PA	16	15	15	18	18	127	127
DON VOORHIES OSWEGO, NY	24	15	15	20	17	128	128
DON KASKEY SACRAMENTO, CA	15	17	15	21	17	128	128
GARY ATKINS LOUISVILLE, KY	21	8	20	21	18	128	128
JEFFREY PARISH MEMPHIS, TN	17	21	20	23	20	128	128
NEIL DICKERSON SHARPTOWN, MD	21	19	20	16	19	128	128
DAVE SCHMIDT NEW CASTLE, DE	17	24	21	16	12	117	117
BILL HARDY ABERDEEN, WA	18	22	17	18	18	111	111
RICK CARR BLOOMINGTON, IL & AUSTIN, TX	12	18	24	16	20	19	109
TOM SUNDSTROM WILLINGBORD, NJ	15	26	17	22	20	8	107
HARRY HAYES GOULDSBORO, PA	15	21	17	21	19	106	106
JOHN MALICKY PITTSBURGH, PA	7	15	16	14	24	103	103
NANCY HARDY ABERDEEN, WA	16	20	15	11	13	87	87
RODNEY VALDRON PETIT ROCHER, NB	16	21	7	9	17	87	87
JIM HILLIKER ANAHEIM, CA	11	12	15	17	15	79	79
JOE KURETH UNIONTON, MD	11	27	29	**	**	77	77
WAYNE HEINEN COLORADO SPRGS, CO	8	6	19	17	8	61	61
JERRY ROBERTSON CEDARWELL, MI	16	9	6	7	10	60	60
BRETT HANAVAN CHULA VISTA, CA	13	10	10	11	14	57	57
BRYAN LEE BROOKLYN, CT	8	8	9	15	6	11	11
FOREST OSBORN HOOKE, OK	9	8	7	10	10	8	8
DAVE YOCIS FAIRFIELD, CT & EAST LANSING, MI	11	9	9	13	4	54	54
STEPHEN MCINTIRE DES MOINES, IA	10	13	9	13	4	49	49
LES CARPENTER EL TORO, CA	10	6	8	10	6	46	46
DEBRA HIDDEN ORLANDO, FL	10	6	7	10	5	44	44
WAYNE HEINEN BUFFALO, NY	10	10	10	10	10	43	43
PAUL MOUNT TEANECK, NJ	10	8	10	10	10	43	43
KEN ONYSHUCK HAZEL CREST, IL	7	7	7	11	11	43	43
MIKE HARDESTY LAS MIRAMAR, CA	6	6	10	7	7	43	43
WAYNE HEINEN COLORADO SPRGS, CO	4	4	11	11	7	43	43
STEPHEN PONDER BOSSIER CITY, LA	0	14	14	14	7	43	43
GEORGE SANTULLI CRANFORD, NJ	0	14	14	14	7	43	43
ERIC MCINTOSH INVERCARGILL, NZ	0	4	4	15	7	43	43
BILL LACKEY KINGSVILLE, TX	0	0	4	15	5	43	43
MORRIS SORENSEN LEAF RAPIDS & GOD'S NARROWS, MB	0	6	6	7	4	43	43
RICHARD E. WOOD HILQ, HI	4	4	4	4	4	43	43
JEFF KOSNETT CHARLESTON, WV	4	4	4	4	4	43	43
GENE NIX BILLINGS, MT	4	4	4	4	4	43	43
BILL HALE VARIOUS LOCATIONS	4	4	4	4	4	43	43
JEFF KOSNETT CHICAGO, IL	4	4	4	4	4	43	43
TODD WILLIAMS HOOD RIVER, OR	4	4	4	4	4	43	43
PAUL MOUNT NELSONVILLE, OH	4	4	4	4	4	43	43
PAT MASON MAHOMET, IL	4	4	4	4	4	43	43
DON DAVIS WARNER ROBINS, GA	4	4	4	4	4	43	43
PAUL SWARINGEN MORAN, KS	2	2	2	2	2	42	42
RON PYCHALSKY BRIDGEPORT, CT	2	2	2	4	4	42	42
LES CARPENTER SANDY, UT	1	0	1	0	1	41	41
SHARON WATERMAN SOUTHWICK, MA	1	1	1	1	1	41	41
ERIC LOY MAHOMET, IL	1	1	1	1	1	41	41
RICHARD TURNER N. YARMOUTH, MA	1	1	1	1	1	41	41
PATRICK O'CONNOR HINSDALE, NH	1	1	1	1	1	41	41
WAYNE HEINEN AURORA, CO	1	1	1	1	1	41	41
RICHARD WATERMAN SOUTHWICK, MA	1	1	1	1	1	41	41
STEVEN MILLER BOSTON, MA	1	1	1	1	1	41	41
RICHARD PECCO MALVERNE, NY	1	1	1	1	1	41	41

\* = NOT REPORTED

This is the final column of GYDXA this season. I've tried to keep things as accurate as possible, but no doubt some errors have crept in here or there. I've received super reports and updates from Hawaii to the East Coast, from about every DX experience level, and all express an interest in GY DXing. So, I hope this column gets picked up for another season on the NRC network! I am also in receipt of some challenges to distance measurements. If you send me the mileage, I'll generally take your word for it. If I do the figuring, it's by a program I wrote for the C-64 based on data in an article I wrote for DX NEWS and published back in '80. And I trust it to the limit! As suggested by Richard E. Wood, I →

# ⑧ SUMMARY OF UNREPORTED STATIONS

SUMMARY OF UNREPORTED STATIONS  
Through Volume 53 #10 dated December 9, 1985

compiled by Don Keskey, 465 Burnett St., #1, San Francisco CA 94131

The following chart lists the total number of stations in the USA and CANADA and the volume they were last reported as being heard in DX NEWS.

COUNTRY V53 V52 V51 V50 V49 V48 V47 V46 V45 V44 V43 V42 Prior Total

CANADA	135	133	48	40	15	9	8	4	3	1	1	0	24	==	421
U.S.A.	1414	1430	757	406	213	153	89	56	39	21	23	13	170	==	4784
TOTAL	1549	1563	805	446	228	162	97	60	42	22	24	13	194	==	5205

New stations reported as having taken the air during the period covering V53 #6 through #10:

640-KYUK-AK(x-580)	930-WBYG-IL	1200-CFGO-ON(x-1440)
640-KTIB-LA(x-630)	1030-KGUS-AZ	1210-KQTL-AZ
730-WDLT-AL(x-1360)	1040-WJQR-TN	1210-KLDI-WY(x-1490)
780-WZZA-AL(x-1540)	1060-WFLE-KY	1490-CKOA-ON
830-KNCO-CA(x-1290)	1170-WDFB-KY	1550-WARD-PA(x-1540)
890-KDAU-UT(x-1450)		

NOTE: CFNC-1-1340-Banff AB has increased power from 40/40 to 1000/250 & is added to the above list. WNH-1500-LA added in last update is deleted for good as it does not exist. WQZQ-1600-TN is also deleted as it never came on the air.

Previously unreported stations noted by NRC reporters in DX NEWS since the last update (V53 #8)....Covers V53 #6 through #10:

AL---7 WZZA-780 (Jeter-wac-AL)		
AZ---4 KQTL-1210 (Sheedy-CA)		
CA---6 KNCO-830 (Swerringen-CA); KMEJ-1140 (Hilliker-CA); KLEK-1250 (Keskey-CA).		
FL---11 WESL-1590 (Hughes-FL)		
ID---5 KIDI-1480 (Moser-ND)		
IL---1 WBYG-930 (Winsor-IN)		
IN---0 WAOB-1280 (Onyschuk-IL)		
IN---4 WGUD-1460 (Baskind-MS)		
MT---2 KNFL-1490 (Moser-ND)		
NE---8 KXAK-1310 (Starr-wac-NM)		
PA---1 WARD-1550 (Ali-cukus-PA)		
SD---0 KIJV-1340 (Moser-ND)		
TN---4 WJQR-1040 (Starr-OH)		
UT---4 KDXU-890 (B. Hardy-WA)		
VA---1 WPMC-1480 (Townshend-DC)		
WA---1 KGIN-820 (B. Hardy-WA); KSPO-1050 (N. Hardy & Ferguson-WA); KWVL-1240 (Ferguson-WA); KQHO-1490 (B. Hardy-WA)		
WY---3 KRSV-1210 (Moser-ND & Hilliker-CA); KBBB-1450 (Moser-ND)		
BC---10 KQKR-760 (Keskey-CA)		
ON---3 CKOA-1490 (Sorenson-ON)		

OFF THE AIR SPACINGS: WBYG-840-AL, KXLC-1110-LA, WQG-1320-NB, WLAU-1430-IL, WKFU-1500-NS, WADM-1540-IL, WSLM-1580-MS....BACK ON THE AIR: KULE-730-WA, KMEJ-1290-CA, WBYH-1330-FL.....

FROM PAGE 17

would like to open this column up to all GY DXers worldwide to submit their catches. That should prove interesting as Eric McIntosh from New Zealand has several listings already. So let's hear from the Worldwide membership (and non-membership). Another note...about call letters...the 'meat' here is the distance between a DXer and a station (location). If you've received a station before and after a call letter change, as far as I'm concerned it only can be counted as ONE listing. I know I'm going to catch it for that. But I'm open for argument on a case-by-case basis. So, until next time (?) 73 to all.

Bill

## C-QUAM® AM STEREO STATIONS

Total 331 12-12-85

\*Delta Electronics, Inc.  
\*\*Broadcast Electronics Inc.  
\*\*\*Merris Corporation

UNITED STATES			Total 250						
STATE	CITY	STATION	FREQ	MHz	STATE	CITY	STATION	FREQ	MHz
Alabama	Atmore	WQG	1140		Kentucky	Lexington	WVJK	590	
Alabama	Gadsden	WQX	930		Kentucky	Louisville	WNW	840	
Alabama	Jasper	WQF	1240		Kentucky	Middleboro	WPKY	1490	
Alabama	Mobile	WQK	900		Kentucky	Paintsville	WQK	600	
Alabama	Phenix City	WQX	1460		Kentucky	Pikeville	WQK	1240	
Alabama	Tuscaloosa	WQCT	1420		Kentucky	Richmond	WQK	1070	
Alabama	Montgomery	WQD	1150		Louisiana	Alexandria	WQK	970	
Alabama	Dothan	WQF	1580		Louisiana	Crowley	WQK	1450	
Alabama	Montgomery	WQH	600		Louisiana	Douglas Springs	WQK	1220	
Arizona	Flagstaff	WQK	600		Louisiana	Garyville	WQK	1010	
Arizona	Tempe	WQX	1580		Louisiana	Lafayette	WQK	1520	
Arkansas	Payetteville	WQF	1250		Louisiana	Monroe	WQK	540	
Arkansas	Bakersfield	WQH	970		Louisiana	New Orleans	WQK	1060	
California	Palmdale	WQY	1190		Louisiana	New Iberia	WQK	1240	
California	Los Angeles	WQZ	640		Louisiana	Rayville	WQK	990	
California	Los Angeles	WQH	1150		Louisiana	Shreveport	WQK	710	
California	Los Angeles	WQK	1540		Louisiana	Shreveport	WQK	1550	
California	Los Angeles	WQL	570		Louisiana	Shreveport	WQK	1340	
California	Los Angeles	WQW	1300		Louisiana	Thibodaux	WQK	630	
California	Modesto	WQY	970		Maine	Auburn	WQK	1470	
California	Monterey	WQY	1240		Maine	Gardiner	WQK	1280	
California	Palm Springs	WQY	1010		Maine	Annapolis	WQK	1190	
California	Palm Springs	WQX	920		Maine	Baltimore	WQK	1000	
California*	Pasadena	WQX	1110		Maine	Cumberland	WQK	1450	
California	Redding	WQY	1320		Maine	Watson	WQK	1030	
California*	Sacramento	WQH	1320		Maine	Wellesley	WQK	1150	
California	Sacramento	WQH	710		Maine	Springfield	WQK	560	
California	San Diego	WQH	740		Maine	Worcester	WQK	1310	
California	San Francisco	WQD	540		Maine	Portland	WQK	760	
California	San Francisco	WQH	1550		Maine	Waterville	WQK	1470	
California	Stockton	WQH	1280		Maine	Woburn	WQK	830	
Colorado	Denver	WQI	560		Maine	Waukesha	WQK	1400	
Colorado	Denver	WQH	950		Maine	Woburn	WQK	1270	
Colorado	Pueblo	WQH	1350		Maine	Waukesha	WQK	960	
Colorado	Wray	WQH	900		Maine	St. Cloud	WQK	1450	
Connecticut	Hartford	WQK	1360		Maine	Waterville	WQK	1510	
Florida	Bradenton	WQH	1420		Maine	Watson	WQK	1180	
Florida	Chiefland	WQH	940		Maine	Watson	WQK	1090	
Florida	Jacksonville	WQX	930		Maine	Watson	WQK	1120	
Florida	Jacksonville	WQH	1600		Maine	Watson	WQK	1180	
Florida	Melbourne	WQH	1210		Maine	Watson	WQK	1390	
Florida	Melton	WQH	1330		Maine	Watson	WQK	1260	
Florida	Osceola	WQH	900		Maine	Watson	WQK	1240	
Florida	Osceola	WQH	1370		Maine	Watson	WQK	910	
Florida	Orlando	WQH	990		Maine	Watson	WQK	1460	
Florida	Panama City	WQH	590		Maine	Joplin	WQK	1450	
Florida	Pensacola	WQH	1450		Maine	Sedalia	WQK	1050	
Florida	St. Petersburg	WQH	620		Maine	Springfield	WQK	1270	
Florida	St. Petersburg	WQH	1200		Maine	Springfield	WQK	1480	
Georgia	Albany	WQH	960		Maine	St. Louis	WQK	550	
Georgia**	Athens	WQH	1340		Maine	Billerica	WQK	790	
Georgia	Atlanta	WQH	750		Maine	Billerica	WQK	970	
Georgia	Augusta	WQH	1480		Maine	Billerica	WQK	970	
Georgia	Caloosa	WQH	540		Maine	Great Falls	WQK	560	
Georgia	Savannah	WQH	1290		Maine	Kalispell	WQK	1180	
Georgia	Savannah	WQH	1350		Maine	Nebraska	WQK	1110	
Georgia	Valdosta	WQH	910		Maine	Nebraska	WQK	1290	
Idaho	Boise	WQH	670		Maine	Nebraska	WQK	590	
Idaho	Boise	WQH	1140		Maine	Las Vegas	WQK	1140	
Idaho	Boise Falls	WQH	980		Maine	Las Vegas	WQK	1410	
Idaho	Pocatello	WQH	1240		Maine	Asbury Park	WQK	1310	
Illinois	Chicago	WQH	720		Maine	Horristown	WQK	1250	
Illinois	Chicago	WQH	820		Maine	Peterson	WQK	930	
Illinois	Chicago	WQH	1390		New Jersey	Princeton	WQK	1380	
Illinois	East St. Louis	WQH	1490		New Jersey	New Mexico	WQK	1450	
Illinois	Elmhurst	WQH	1530		New Jersey	Albuquerque	WQK	1240	
Illinois	Lakeview	WQH	1390		New Jersey	Albuquerque	WQK	1540	
Illinois	Metropolis	WQH	920		New Jersey	Buffalo	WQK	1520	
Illinois	Rockford	WQH	1440		New Jersey	Edison	WQK	1430	
Illinois	Springfield	WQH	1430		New Jersey	Edison	WQK	1430	
Indiana	Indianapolis	WQH	1260		New Jersey	Edison	WQK	1430	
Indiana	Indianapolis	WQH	1070		New Jersey	Edison	WQK	1430	
Indiana	Notre Dame	WQH	640		New Jersey	Edison	WQK	1430	
Indiana	North Vernon	WQH	1460		New Jersey	Edison	WQK	1430	
Iowa**	Dos Moines	WQH	1460		New Jersey	Edison	WQK	1430	
Iowa	Mason City	WQH	1490		New Jersey	Edison	WQK	1430	
Iowa	Sioux City	WQH	1470		New Jersey	Edison	WQK	1430	
Kansas	Ways	WQH	1400		New Jersey	Edison	WQK	1430	
Kansas	Wichita	WQH	1070		New Jersey	Edison	WQK	1430	
Kansas	Wichita	WQH	1590		New Jersey	Edison	WQK	900	
Kentucky	Gray	WQH	1520		New Jersey	Edison	WQK	960	
Kentucky	Greenup	WQH	1520		New Jersey	Edison	WQK	960	
Kentucky	Lexington	WQH	1300		New Jersey	Edison	WQK	940	

RADIO 96

LITTLE FALLS BROADCASTING CO. K T

70 First Ave. Northeast

LITTLE FALLS, MN 56345

AM Radio

kdes 92

AUSTRALIA

STATE	CITY	STATION	FREQ Mhz
N.S.W.	Lismore	2LR	900
N.S.W.*	Murwillumbah	2MH	972
N.S.W.*	Newcastle	2HD	1143
N.S.W.*	Newcastle	2HD	1413
N.S.W.	Newcastle West	2HK	1341
N.S.W.	North Sydney	2NH	1269
N.S.W.	Sydney	2AB	702
N.S.W.	Sydney	2AB	1170
N.S.W.	Sydney	2AB	873
N.S.W.*	Sydney	2AB	1017
N.S.W.	Sydney	2AB	954
N.S.W.	Sydney	2AB	1107
N.S.W.	Sydney	2AB	1224
N.S.W.*	Wollongong	200	1575
N.S.W.*	Wollongong	2M1	1314
Queensland	Acy	4X2	936
Queensland	Brisbane	4BC	1116
Queensland	Brisbane	4D0	1008
Queensland	Brisbane	4HQ	493
Queensland	Brisbane	4H1	862
Queensland	Brisbane	4H1	1295
Queensland	Cairns	4CA	845
Queensland	Herbou	4C5	828
Queensland	Gympie	4C6	1342
Queensland	Gympie	4T0	774
S. Australia	Adelaide	5AD	1323
S. Australia	Adelaide	5AD	972
S. Australia	Adelaide	5KA	1197
Tasmania	Robert	740	864
Tasmania	Robert	747	1080
Victoria	Ballarat	3BA	1314
Victoria	Bendigo	3B1	945
Victoria	Melbourne	3AK	1503
Victoria	Melbourne	3AK	1278
Victoria*	Melbourne	3D0	1026
Victoria	Melbourne	3K2	1179
Victoria	Melbourne	3L0	774
Victoria	Melbourne	3U3	927
Victoria*	Melbourne	3Y1	1422
Victoria*	Mornington	3M7	1377
W. Australia*	Perth	6IX	1060
W. Australia*	Perth	6K7	1206
W. Australia*	Perth	6M9	990
W. Australia*	Perth	6M9	832

CANADA	Total	32	FREQ Mhz
PROVINCE	CITY	STATION	FREQ Mhz
Alberta	Calgary	CFQR	810
Alberta	Calgary	CFPC	960
Alberta	Calgary	CFPC	749
Alberta	Edmonton	CFOT	1110
Alberta	Edmonton	CFCA	930
Alberta	Lethbridge	CFBC	1090
Brit. Col.	Kelowna	CFKX	635
Brit. Col.	New Westminster	CFNW	980
Brit. Col.	Prince George	CFXJ	620
Brit. Col.	Vancouver	CFVB	1470
Brit. Col.	Vancouver	CFWB	1135
Brit. Col.	Victoria	CFAX	1075
Brit. Col.	Victoria	CFVZ	905
Manitoba	Winnipeg	CFWB	680
Manitoba	Winnipeg	CFBC	635
Nova Scotia	Sydney	CFCS	1270
Ontario	Hamilton	CFBL	900
Ontario	Hamilton	CFBC	1150
Ontario	Kitchener	CFDK	1090
Ontario	Kingston	CFUZ	1380
Ontario	Kingston	CFUZ	960
Ontario	London	CFPL	940
Ontario*	South Bay	CFBR	1110
Ontario	Ottawa	CFBB	540
Ontario	Thunder Bay	CFBB	1330
Ontario	Toronto	CFBB	1010
Ontario	Winkler	CFJX	800
Quebec	Montreal	CFAD	800
Saskatchewan	Regina	CFME	1300
Saskatchewan	Regina	CFME	620
Saskatchewan	Saskatoon	CFDK	1250
Saskatchewan	Saskatoon	CFDK	605

SO. AFRICA	Total	2
S. Africa	Radio 702 Johannesburg	702
S. Africa*	Radio 5 Johannesburg	575

90 • ENR

SO. AFRICA	Total	1
8. Africa	Radio 702 Johannesburg	702
5. Africa*	Radio 5 Johannesburg	525

The opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the Editors, Publishers, or the National Radio Club, Inc., or its subsidiaries. Times are local per MDT.

that, only two readers with New Year's resolutions? Mine are simple ... now that I've moved to an area in the west San Fernando Valley (Canoga Park) which is relatively free of noise, resolve to DX this year! don't forget that next week is a holiday skip week, with no DX news, and that our next theme deadline will be for the ones that did/didn't get away (Jan. 1), and the Jan. 10 deadline will be for the ladies and for married couples who both DX. Finally, as I am halfway done with writing as I type it, this column will be a bit remediated this week, concentrating on late-breaking news. And now, on with it!

Albert S. Lobel - 200-000-20202 - San Diego, CA 92126 (619) 566-0694

This is supposed to be the issue to include your DA resolutions for 1986. My DA resolutions are to get back into DX'ing and to start my logs over from scratch. It has been a long time since I last DX'ed and a lot of changes have taken place in the bands since that time. I will hopefully get back to DX'ing again and start reporting often to the various columns in both NCS's **DX News** and INCAs **DX Monitor**; I do belong to both clubs as well as WIAWA, ICA, ASWC, and SCADS. The past year and a half has been spent mostly on sportwave listening, and very little actual DX'ing. 73 and good DA to all NCS'ers in '86.

E. S.: Want my opinion of 9-digit Zip Code? Well, you're about to get it, want it or not! Down with 9-digit Zip Code! Next they'll want 11-digit Zip Code! Why not just use social security numbers alone; everyone else does these days! That is, everyone but me! I use driver's license numbers as account numbers for my washer and dryer rental accounts. According to TMR there are over 100 billion active social security numbers and only about 200 million Americans. STRANGE! Again, 73 and good DX in '86. (The last commentary I read indicates that the 9-digit Zips wouldn't really be effective for several years yet in solving mail faster, and then only for businesses -pls)

Fred Vohbe - 706 MacKenzie - Lima, OH 45805

Hello again from Edna. I guess that I have several DX resolutions to make for this edition of the Musings column; however, if last year was any indication of how 1986 will be, I'll have a hard time keeping all my resolutions, hi. The first is to spend more time on the air. I guess that I have a pretty good DX shack, given the fact of the things I have heard when I have worked for them, but time in 1985 was a real bad friend! I think that a couple of hours a week is not much to shoot for, especially when lately it's been an average of a half-hour a month! The second resolution would be to send in more reports to stations. As a chief engineer of a station, I enjoy hearing from people who hear/watch my station, and I guess that I should return some of that to my fellow engineers. Besides, it's a nice way to collect some great QSL's. My third resolution is to try to help the visually handicapped DX'ers more. As you may or may not know, I'm the editor of the **DX Audio Service**. Since the audio service was started I have found out that the articles from **DX News** are not the only thing that blind DX'ers like. They also like to find out technical information, like what receivers are the best, what loops work the best, and other information which most of us have access to but they cannot see. They enjoy the Musings column because it gives them a chance to hear what other people are doing, and they enjoy AM switch and Domestic/International DX Digest, too. And I can't forget all the praise that John Bowker gets for his Travel Logs that he does on the service. I know that's a lot, and I hope that I can pull it off. In 1984 I spent only about 1 1/4 hours a week on my own things! That's 1 1/4 hours for DX'ing, tape trading, correspondence, and electronic hobbies. As an example, I still do not have an up-to-date listing of all my tapes, since job priorities have always put cataloging on the back burner! That's just an indicator of how much time was spent on the job. 1986 looks a # of a lot better! As soon as our antenna and stereo projects are done, things should be a lot calmer, and thus I'll have more time to spend with my friends and people I trade and DX with. Until next time, 73 and best to all this holiday season.

Curtis D. Engberg - 80 Concord Road - Wayland, MA 01778

Hi! I have been absent from these pages for over a year, so maybe I should refresh you on who I am. I've been DX'ing since the late '30's, and I thought when the kids left home there would be less to do and more time for DX, but it doesn't seem to work that way. 32 years with Sylvania and GRM since moving east from Minnesota. My DX totals are well over 4,000 without ever counting either frequency or call changes, but since my real count is of active stations, it tends to shrink these days rather than growing. But what prompted me to muse was the addition of a new country to my log, quite by accident. I saw reports of WJJF-1180 RL and said to myself, that should be easy from here. So, on 11-21 at about 5:45 pm, I tuned in 1180 for a try. Of course WIAW was already there, but they could be mostly nulled, and I heard this other station with a het just below 1180. It was in San Juan, but gave some call like Radio S--- Internationale, and I just assumed it was a Cuban off frequency. About an hour later after supper, I tuned in again, but this time my Swedish heritage quickly told me that it was broadcasting in Swedish, and now at the 7 pm closedown there was no question but that I had heard my first Swedes DX. Of course, WRMH confirms that they broadcast in Spanish from 5:30 to 6 pm daily. This is my first new TA



since 1982 when Saudi Arabia came through on 1521. If Sweden could make it, certainly there was a good shot for Norway (not new here) and I tried 1314 and there it was, blasting in loud enough to fill the whole house so that my wife could hear it downstairs! There were also good unID signals on 1287, 909, 882, 873, and 756. My only other newie of the season was WCHP-760 NY at 5 PM on 10-22. Hurricane Gloria did some roof damage here and a lot of tree loss in the yard, so that's been keeping me busy this fall. I finally got the leaks stopped and the deck and ramp repaired, but I'm going to need to replace the whole roof. Anyway, I hope TA conditions improve, and that you'll hear from me more often.

**Ronald L. Knight** - Box 108 - Lorengau, Manus Island - Papua New Guinea

(Telephone PNG 409042, Telex NE40805) I have been a member of the NRC for some time now so thought I had best introduce myself. I am an Australian living here in Manus with my own business. I am an ex-Chief Radio Supervisor, Royal Australian Navy. After 20 years service I paid off from the Navy in Manus and stayed on here. I originally came from Adelaide and my wife is from Melbourne; my son was born at the Navy Base here in Manus. I have been DX'ing for some 30 odd years but only become serious since I have been up here. I have received a few U. S. stations: KOMA, KSL, CWK, KPOL, CPN, KFHK, KFPC, KDIA, KAK, KERB, KAK, KEM, CKJM, WOAI, CKW, KDAY, CFUN, KMSL, KHN, KVOO, and KPNW are some of them (this is over a number of years); of interest are WSZD Ponape, AFMIS Truk, KQQR Saipan, KXLB Chuuk, WSZA Yap, APN Taiwan, KXLE Kwajalein; all of these have been QSL'd. To date I have QSL'd 26 countries and have 160 QSL cards/letters. Conditions here vary with the seasons (NW or SW monsoons) but my present QTH is not as good for MWDX as my previous one. I use a Realistic DX-160, an FM-7, and a National DR31. I do a lot of SW DX'ing with 86 countries and am just starting up on some new and use DX'ing. I have also an FM antenna and have QSL'd a Taiwan station on 107.9 mcs. My aerials are a 295 deg end-fed longwire, an MM-1024 Active antenna, a Palstar loop (indoor) and a home-made box loop. No electrical or mechanical interference here, but I do get a lot of QRM from weather on the MW band. My other hobby is shell collecting and classifying and I have a few scientist friends in the U. S. with whom I correspond. My son was in Texas in 1983 and did a commercial divers course in Houston. (Took me three months to bash an Australian accent back into him, hi.) (I can imagine the drawl -pls) I have built an extension on to my house here which is the DX shack so I can get away from it all and DX. Hope to visit the U. S. next year, finances permitting, and have friends in Los Angeles, Pullman WA, Bryn Mawr, PA, Wilmington DE, Melbourne FL, to visit so hope to do some local DX while I'm over there and to me that would be a real smorgasbord as Rabaul and Madang are our nearest MW stations here at 400 miles. Have received the NRC Antennae and loop manuals and they are really first class. My desire now is to build a remote loop, but the problem of pick-up on the leads exists, doesn't it? What do the experts say to leads of individual shielded cable (shielding earthed) and also fed down through a galvanized water pipe (also earthed)? I would appreciate some comments, please. Also, does the NRC advise members when their dues are to be renewed as I would hate to miss out (Yes, with a postcard -pls). Will try and keep you informed of any more DX and try and find some more time to do some night-time DX here. Bai mi lukim yu (pidgin for "See you later").

**Robert Smolarek** - RD #1, box 63 - Whitehouse Station, NJ 08889

I have been enjoying the 1985 DX season very much because of the purchase of a Kenwood R-2000. It has digital tuning so I always know what frequency I'm on. While I DX some on shortwave, BCB and FM DX'ing are still my favorites. I use a Carver TX-11 for FM, and I've heard 400 stations in this FM battleground of many New York City, Philadelphia, and local New Jersey stations. Paul Mount brought his Space Magnet antenna here Sept. 6, and it worked better than my general coverage Eavesdropper antenna. I definitely want a loop antenna; if anyone's selling one, I'm interested. I've heard around 500 AM stations since I started logging and counting them in 1982. My favorite time to DX is at sunset. My totals would be a lot higher if I DX'd the local frequencies but I can't take the jumble on these. Finally, I got my first radio job on Nov. 20, answering phones at 41-rated WMZ-FM (2-160) in Secaucus, NJ, thanks to a tip from Paul Mount. Paul also works there on Sunday afternoons. We both love the job.

\*Have Yourselves a Merry Little Christmas!\*

**Ernest Cooper** - 5 Anthony Street - Provincetown, MA 02657 (617) 487-9337

Let me wish for each and every one of you a very merry and blessed Christmas and a happy and successful New Year! And a happy Chanukah, too. No new veries, so let's see what DA we noted. Wed. 11-6: TR'ers on 1550 at 1:43 AM, and on 540 from 2:32 tune-in till at least 3:06, no announcements. Thur. 11-7: I always hope for a new one on this date, my father's birthday from whom I "inherited" this DX hobby, and I was rewarded at a twilight session with the logging of WEMT-900, ex-WLW, tele-talk and ads galore, thru a mess of others, for a report, no verie yet, as of 12-2. Fri. 11-8: UNID TR'er on 990 at 1:30, no ID. Sat. 11-9: somebody with "we are the world" sung in SP, but announcements were in SS, likely one of the Colombians there; too much WPNR-1540 splatter to know. M. 11-11: No sign here of WKKO-1370 HNL. Unn WEMT-850 good 0/WLW's OC at 2:47, as I looked

for QSYs in vain. Tue. 11-12: A twilight session trying to hear some of the new 1160's, but 'twas all WWDJ as early as 4:26 PM. Unn WMAP topped 1320 at 4:53 PM, as I tried for WWDJ, Scranton. Wed. 11-13: Who's the 1590 SS on AN - sounds to me like a domestic; unveried WWDJ/WST. Thur. 11-14: I found out today who the 1320 SS is - 'tis WQX with a recently new format from their former 12th. Fri. 11-15: On 1450, at 2:00, plug for a snow squall, as a new Cuban with oodles of watts has settled onto their frequency, to block WQX, again, unveried. This one really tears up good ol' WQX here. Wed. 11-20: Needed WSG-1170 NY's off at 4:26 AM with full data, leaving the channel to WSG-115, and WWA. Sun 11-24: WTHR-1640 in good 5:13-5:18 1/2 s/off, black RFL programming - has anybody pried a verie out of these guys? Tue. 11-26: Rarely-heard WWDJ holding forth above all, including semi-local WWDJ at 1:41, Bill Townshend's got 'em playing oldies! Wed. 11-27: UNID TR'er on 1590 1:28-1:37, and a fairly strong OC noted on 1160 at 2:14 AM. M. 12-2: Again WWDJ ruled the roost on 1260; what's happened to their pattern? And finally, a report to WWDJ-1270 FL. I'm also hearing bits of WQCB and WUCO in there and I'll get enough on 'em yet for a report! Tue. 12-3: Unn WNTN topped 1270 today, WCR. Forward we march into 1986!

Let us wish NRC members and their families the best of the holiday season. May the spirit of peace which pervades this time of the year continue to be a part of your lives through 1986 -pls.

## ALL MUST COMPLY

# New RF Radiation Rules Hit Radio Stations January 1

Starting January 1 every radio station in the country will have to start thinking about whether its signal poses a health risk to people near its tower. That's when the FCC starts requiring stations to meet new standards on the biological effects of their signals, otherwise known as radio frequency or RF radiation.

"We think most stations will find it a straightforward matter," says Bill Hassinger, engineering advisor to Mass Media Bureau Chief Jim McKinney. "It's going to be tough for maybe 200 to 300 that are going to have to put some work into it. I'm sure there'll be some cases where people have to make physical changes."

### Staff Exposure "Knotty" Problem

While the new rules cover exposure of the general public to radio and television signals, the Commission has yet to grapple with the much thornier issue of how to deal with station engineers and other employees who work on or near towers.

"We are currently wrestling with some very knotty problems in that area," says Hassinger, who can't predict when the Commission will issue guidelines for station personnel. The precise health impact of RF radiation on humans is unclear, but government officials

agree that exposure should be avoided.

### All Stations Must Certify

The new rules will most immediately affect all applications for new stations or modifications filed after January 1. But every station will have to certify compliance with the RF standard at its next renewal, or even sooner if a party files a complaint with the Commission.

### High Power FM Problems

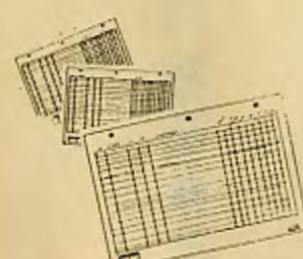
According to Hassinger, AMs should have little problem because, generally, their power levels are fairly low and their antennas are surrounded by grassy areas. He says the greatest trouble will be experienced by "high-powered FMs on low towers." Fencing and warning signs will solve most problems, but tower changes may be needed at some stations, especially where neighborhoods have encroached on tower sites.

Hassinger says station engineers will be able to make RF calculations in most simple cases, but com-

sulting engineers or other experts may have to be called in to take measurements in more complicated instances.

### FCC Bulletin Available

To obtain an FCC bulletin on the new RF radiation guidelines, write or call International Transcription Services, 2100 M St. NW, Washington, DC 20037 (phone 202-827-3800). Ask for FCC OST Bulletin #65. The bulletin includes background information on the RF standards; prediction methods, including calculations, tables, and figures; measurement procedures and instrumentation; and methods for controlling exposure.



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